

SECTION-1
CHAPTER-2

1.2.GENERAL PHYSIOLOGY AND BIOCHEMISTRY, NUTRITION AND DIETETICS

1.2.1.a AIM: In this course, students learn to recognize and to apply the basic concepts that govern integrated body function (as an intact organism) in the body's nine organ systems.

1.2.1.b OBJECTIVES:

a) Knowledge and Understanding:

It is expected that the student understand the unique role of each organ and organ system in maintaining health.

Students should be able to describe the functions of the distinctive cells that comprise each major organ and when appropriate define the role of physiological functional units.

b) Skills:

The students learn to recognize and explain the basic concepts that govern each organ and organ system and their integration to maintain homeostasis, as well as some clinical aspects of failure of these systems.

c) Attitude:

The students learn to identify bodily processes, which enables them to recognize impairments Thereof.

1.2.1.c GOALS:

Upon completion of this course the student should be knowledgeable in the following areas of bodily function:

Integration of the organ systems to maintain constancy of the internal environment

Regulation of homeostasis by neuronal, endocrine, and local chemical messengers

Role of the Autonomic Nervous System in regulating organ function

Adaptive responses to exercise and the role of exercise in maintaining health

Adaptive physiological responses to stress, infectious organisms, and toxins

Changes in bodily function through the life span.

Demonstrate knowledge of the molecular structures of fundamental biological building blocks.